Application No.: Not Yet Assigned

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## **AMENDMENTS TO THE CLAIMS**

(Original) A nonaqueous electrolyte characterized by containing:
an ionic liquid having general formula (1) below and a melting point not higher than

$$\begin{bmatrix} R^1 \\ R^2 - X - R^3 \\ R^4 \end{bmatrix}^+ \cdot Y \tag{1}$$

wherein  $R^1$  to  $R^4$  are each independently an alkyl group of 1 to 5 carbons or an alkoxyalkyl group of the formula R'-O- $(CH_2)_{n^-}$  (R' being methyl or ethyl, and the letter n being an integer from 1 to 4), and any two from among  $R^1$ ,  $R^2$ ,  $R^3$  and  $R^4$  may together form a ring, with the proviso that at least one of  $R^1$  to  $R^4$  is an alkoxyalkyl group of the above formula,

X is a nitrogen atom or a phosphorus atom, and

Y is a monovalent anion;

a compound which reductively decomposes at a more noble potential than the ionic liquid; and

a lithium salt.

2. (Original) The nonaqueous electrolyte of claim 1 which is characterized in that the compound reductively decomposes at a more noble potential than the ionic liquid when a working electrode used with the electrolyte is made of a carbonaceous material or metallic lithium.

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3. (Original) The nonaqueous electrolyte of claim 1 or 2 which is characterized in that the content of said compound within the electrolyte is from 0.1 to 60 wt%.

- 4. (Original) The nonaqueous electrolyte of claim 3 which is characterized in that the content of said compound is 0.1 to 30 wt%.
- 5. (Currently amended) The nonaqueous electrolyte of any one of claims 1 to 4 claim 1 which is characterized in that the compound is one or more selected from among ethylene carbonate, propylene carbonate, vinylene carbonate, dimethyl carbonate, ethyl methyl carbonate and diethyl carbonate.
- 6. (Currently amended) The nonaqueous electrolyte of any one of claims 1 to 5 claim 1 which is characterized in that the ionic liquid has a melting point not higher than 25°C.
- 7. (Currently amended) The nonaqueous electrolyte of any one of claims 1 to 6 claim 1 which is characterized in that X is a nitrogen atom, R' is methyl, and the letter n is 2.
- 8. (Currently amended) The nonaqueous electrolyte of any one of claims 1 to 6 claim 1 which is characterized in that the ionic liquid has general formula (2) below

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$$\begin{bmatrix} Me \\ I \\ Et -X - CH_2CH_2OR' \\ I \\ Et \end{bmatrix}^+ \cdot Y$$
 (2)

wherein R' is methyl or ethyl, X is a nitrogen atom or a phosphorus atom, Y is a monovalent anion, Me stands for methyl and Et stands for ethyl.

- 9. (Currently amended) The nonaqueous electrolyte of any one of claims 1 to 8 claim 1 which is characterized in that Y is BF<sub>4</sub>, PF<sub>6</sub>, (CF<sub>3</sub>SO<sub>2</sub>)<sub>2</sub>N, CF<sub>3</sub>SO<sub>3</sub> or CF<sub>3</sub>CO<sub>2</sub>.
- 10. (Currently amended) The nonaqueous electrolyte of any one of claims 1 to 9 claim 1 which is characterized in that the lithium salt is LiBF<sub>4</sub>, LiPF<sub>6</sub>, Li(CF<sub>3</sub>SO<sub>2</sub>)<sub>2</sub>N, LiCF<sub>3</sub>SO<sub>3</sub> or LiCF<sub>3</sub>CO<sub>2</sub>.
- 11. (Currently amended) A nonaqueous electrolyte secondary cell having a positive electrode which contains a lithium-containing double oxide, a negative electrode which contains a carbonaceous material capable of inserting and extracting lithium ions or contains metallic lithium, a separator between the positive and negative electrodes, and a nonaqueous electrolyte;

which secondary cell is characterized in that the nonaqueous electrolyte is a nonaqueous electrolyte according to any one of claims 1 to 10. claim 1.

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12. (Original) The nonaqueous electrolyte secondary cell of claim 11 which is characterized in that the separator is a porous film or porous sheet having a thickness of 20 to 50 □m and a porosity of 25 to 85%.

13. (Original) The nonaqueous electrolyte secondary cell of claim 12 which is characterized in that the porous film or porous sheet is composed primarily of cellulose.